Attachment 7: Schedule

The following documents the schedule associated with the proposed scope of work as described in Attachment 5, Work Plan. A start date of April 2013 was assumed and the project is expected to be completed in September 2014.

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Schedule

The Upper District proposes the attached schedule for developing the Data Management Platform and Integrated Groundwater Surface Model for the Main San Gabriel Basin. It is expected to take approximately 17 months to complete this project after grant funding is awarded and will be completed well within the 2-year performance period. The schedule for developing these tools has been divided into 3 tasks (9 subtasks) that correlate with the tasks outlined in the Work Plan (Attachment 5) and the Budget (Attachment 6).

Tasks 1 and 2 include milestones of DMS and IGSM development and have specific deliverables that are outlined in the accompanying Work Plan. Task 3 includes the necessary activities for project administration and for meetings, reporting, and coordination of a successful project. Quarterly progress reports will be provided to ensure that the project moves through the appropriate milestones in a timely and cost efficient manner. The quarterly reports will summarize the actual work performed, and provide a status report of each task's schedule and budget.

Once the funding is secured, both tasks, the Main San Gabriel Basin Data Management Platform and the Integrated Groundwater Surface Water Model, may be started immediately and simultaneously. Upper District currently has access to both the groundwater data and modeling software necessary to prepare the DMS and IGSM. The first step is to evaluate the existing database and document the DMS structure and mapping protocol.

The schedule was derived based on existing/known DMS and IGSM project schedules. For the development of the DMS, it was assumed that three months would be needed to evaluate the existing database, five months to design the database conversion plan and seven months to convert all the data and upload to the new platform. One area of uncertainty is the compatibility of the data from the existing database with the new DMS. Another is the availability of data from the existing database. All data is available in Excel spreadsheet format and should be readily available for export to the new DMS; however, additional time has been allocated to the evaluation and the design of the DMS to allow for unexpected incompatibilities.

For the development of the IGSM, it was assumed that nine months would be needed to collect and analyze the existing data, ten months to input the data into the IGSM, six months to calibrate the model and five months to document it. A copy of the existing model is available to the Upper District and will be made available to the model developers immediately. Obstacles that may arise include insufficient data and incompatibility of the data with the IGSM. Additional time has been allocated to the analysis and model development for these reasons.

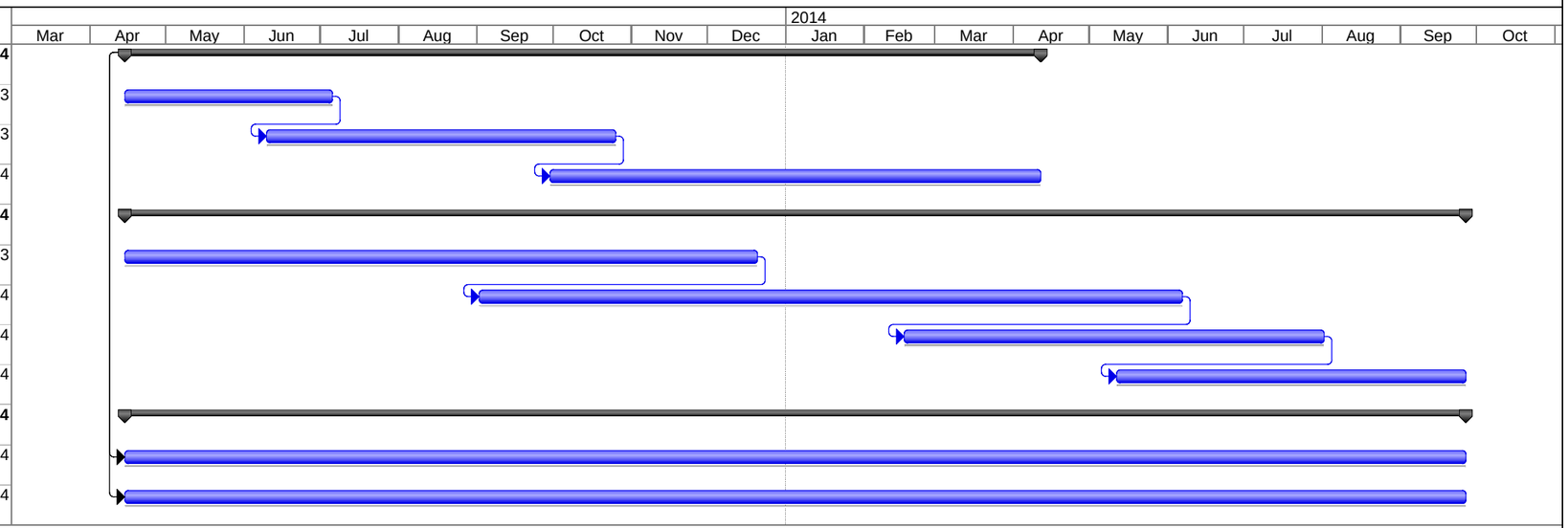
It should be noted that development of the DMS and IGSM do not require a plan for California Environmental Quality Act (CEQA) compliance or other regulatory compliance. This will reduce the time required to implement the project.

The Project Schedule is shown below and is broken out by subtasks.

Local Groundwater Assistance Grant

Attachment 7

Task Name	Duration	Start	Finish
Task 1: Main SGB Data Management Platform	**260 days**	**Mon 4/15/13**	**Fri 4/11/14**
1.1 Evaluate Existing Database	3 mons	Mon 4/15/13	Fri 7/5/13
1.2 Design Database Conversion Plan	5 mons	Mon 6/10/13	Fri 10/25/13
1.3 Convert and Upload Data	7 mons	Mon 9/30/13	Fri 4/11/14
Task 2: Integrated Groundwater Surface Water Model	**380 days**	**Mon 4/15/13**	**Fri 9/26/14**
2.1 Data Collection & Analysis	9 mons	Mon 4/15/13	Fri 12/20/13
2.2 Model Input Data Development	10 mons	Mon 9/2/13	Fri 6/6/14
2.3 Model Calibration	6 mons	Mon 2/17/14	Fri 8/1/14
2.4 Model Documentation	5 mons	Mon 5/12/14	Fri 9/26/14
Task 3: Project Management and Coordination	**380 days**	**Mon 4/15/13**	**Fri 9/26/14**
3.1 Project Management and Coordination	19 mons	Mon 4/15/13	Fri 9/26/14
3.2 Public Outreach, Training, and Meetings	19 mons	Mon 4/15/13	Fri 9/26/14



Project: Main San Gabriel Basin Management Platform and Integrated Groundwater Surface Water Model
Date: Tue 7/10/12

Subtask Milestone Task